



- What?
 - ✓ To evaluate what the present status of wireless service is in Westford.
- Why?
 - ✓ Federal law requires towns to not prevent the provision of wireless services.
 - ✓ The law retains town zoning rights, but not at the expense of providing service.
 - ✓ Towns like Westford have been sued by carriers because of zoning denials



- How?
 - ✓ Public process
 - ➤ To become informed
 - ➤ To discuss what's best for protecting the character of the Town while enabling sensible wireless development
- Where?
 - ✓ Look at Town-wide coverage
 - ✓ Meet in open meetings
 - ✓ Town website at www.westfordma.gov/wca



Wireless Coverage

- And finally.... Who?
 - ✓ Town planning staff
 - ✓ Town officials
 - ✓ Independent Expertise
 - ✓ Town attorney
 - ✓ And... any interested resident



Project to address:

- ✓ Current state of wireless services
- ✓ Impact of wireless expansion on communities
- ✓ Wireless coverage in Westford
- ✓ Planning options

Today's discussion:

✓ The current state of wireless in Westford

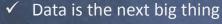
Future work:

✓ Propose and discuss options for what to do to stay one step ahead of wireless development



Wireless Coverage

- Wireless Communications Are a Fact of Life
 - ✓ 280 million subscribers in USA (Source: CTIA)
 - ➤ Population 306 million
 - ✓ Wireless/wired tipping point reached-
 - As many households without land lines as there are households without wireless phones.



>70% of all data traffic comes from buildings

Text messages, video/picture messages, internet browsing, gaming, user apps.

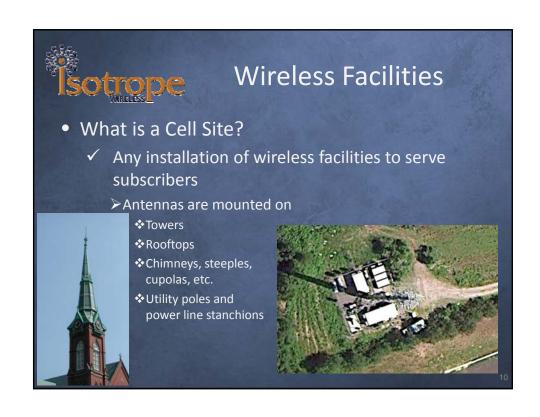








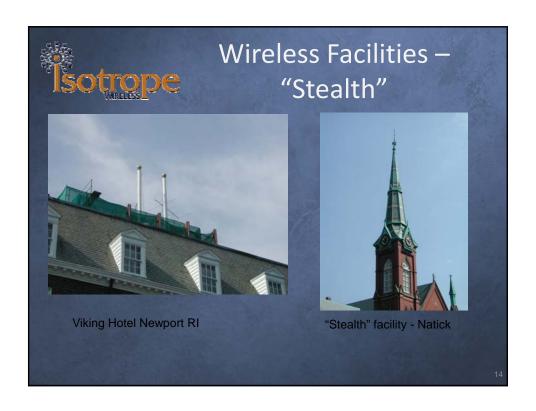


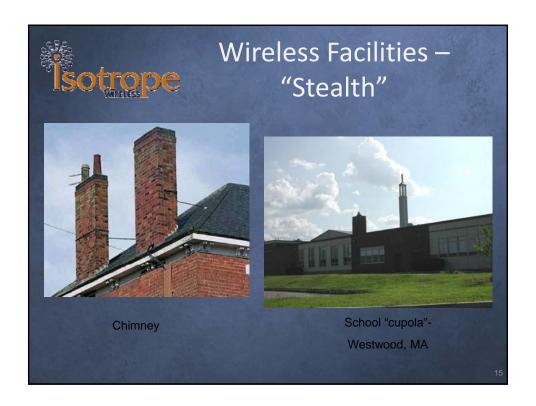










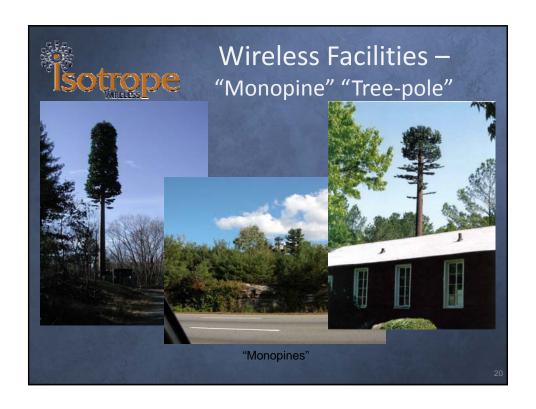


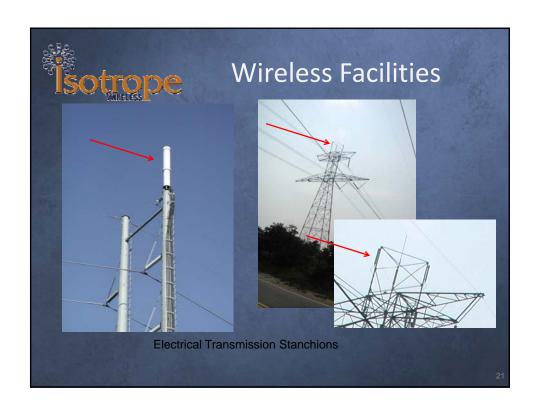


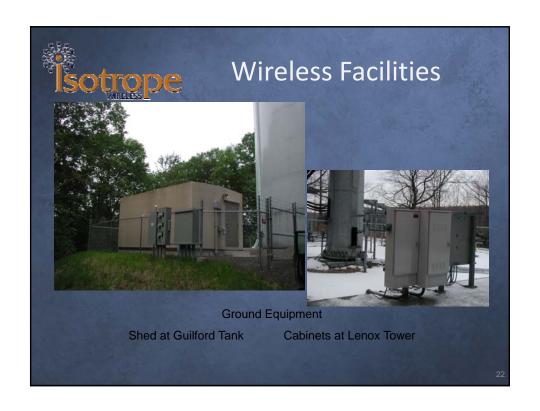


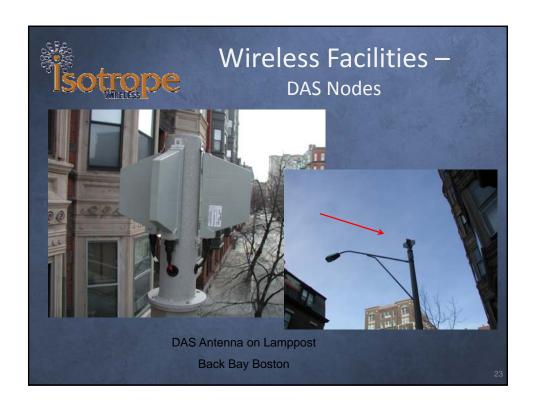


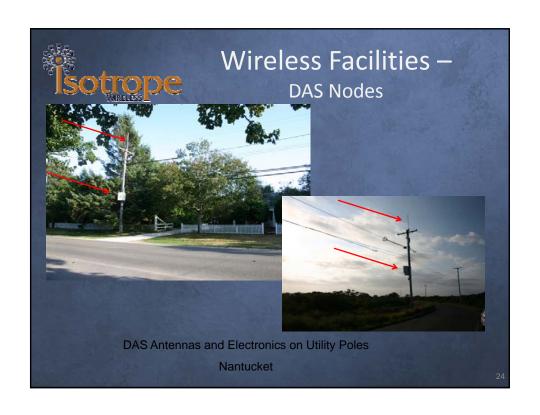


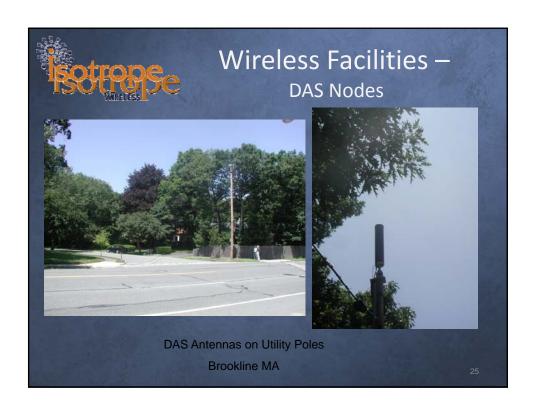




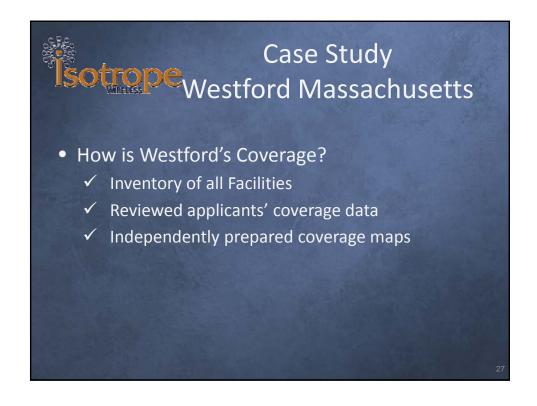


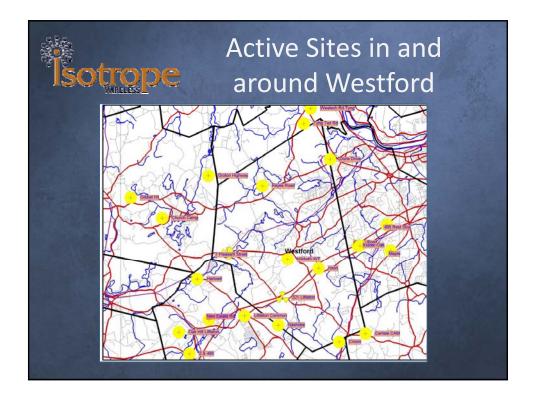


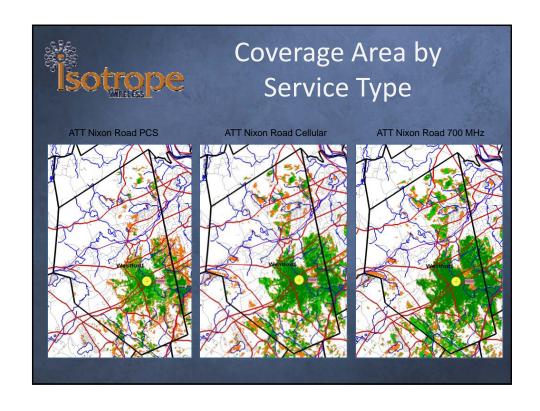


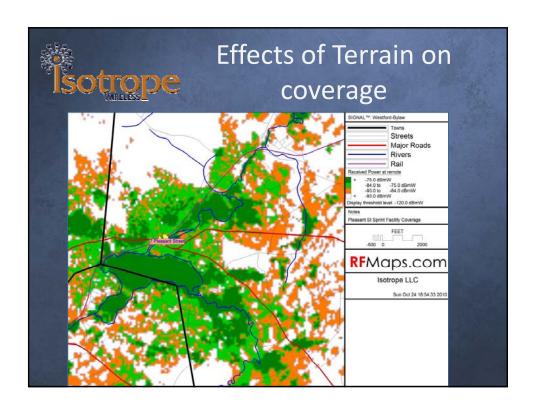


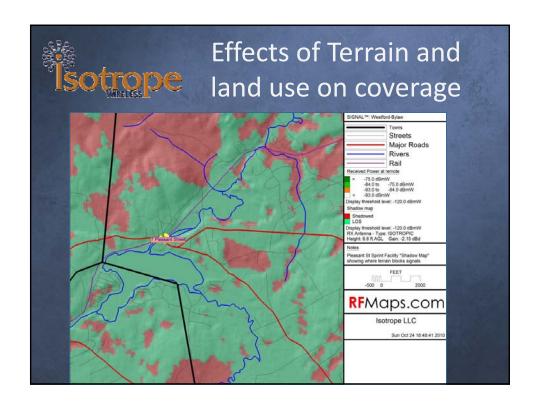


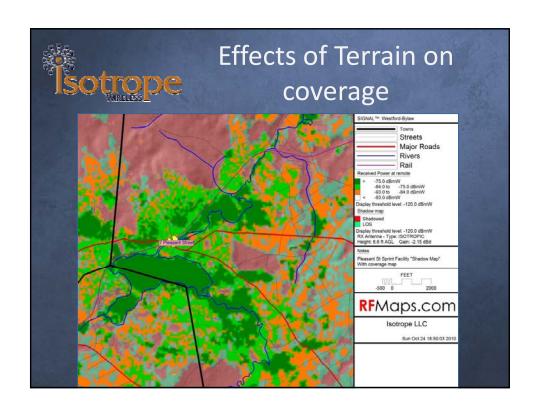


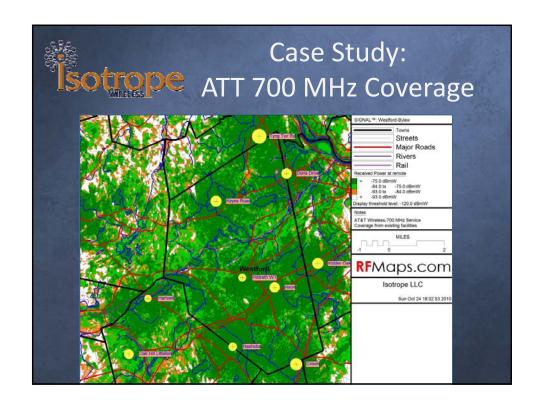


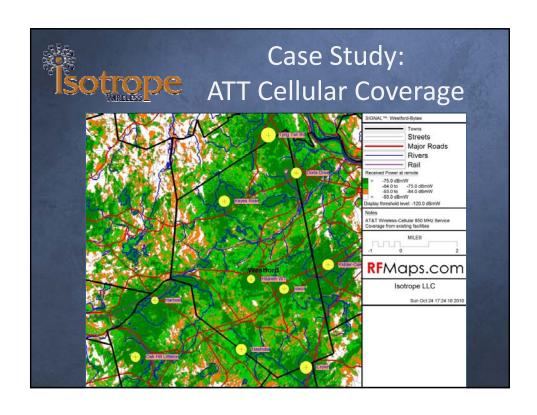


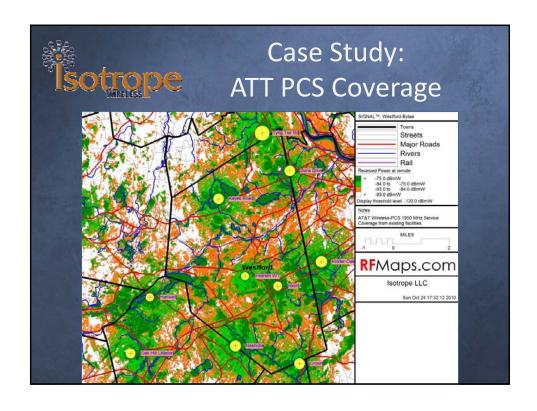


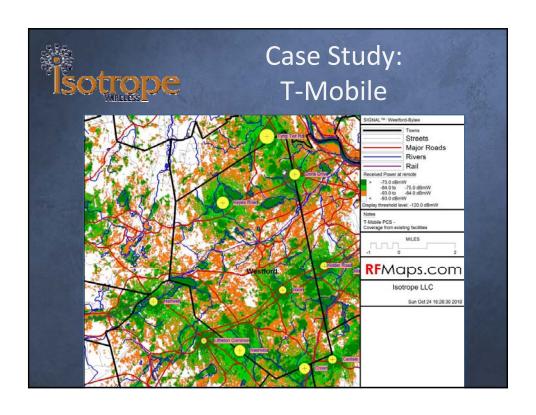


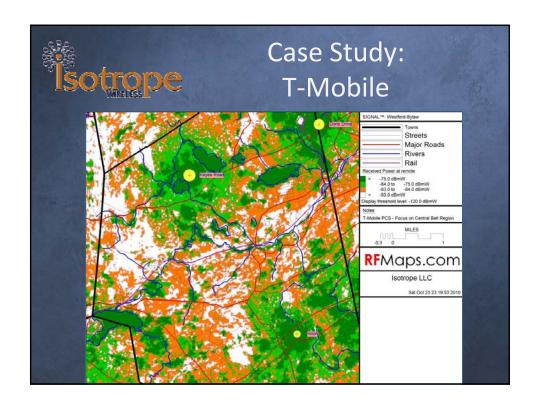


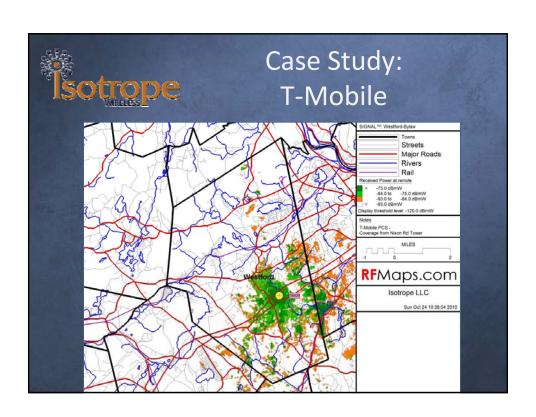


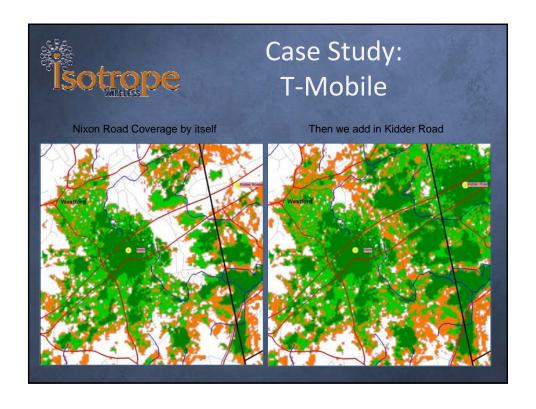


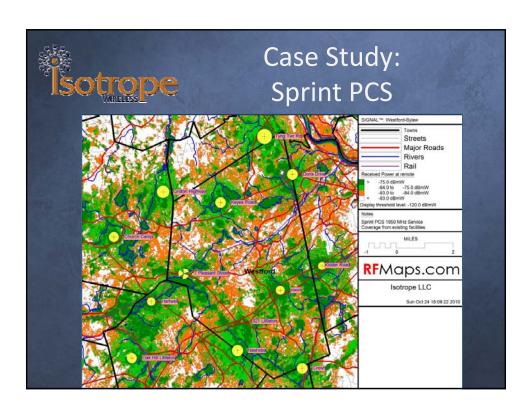


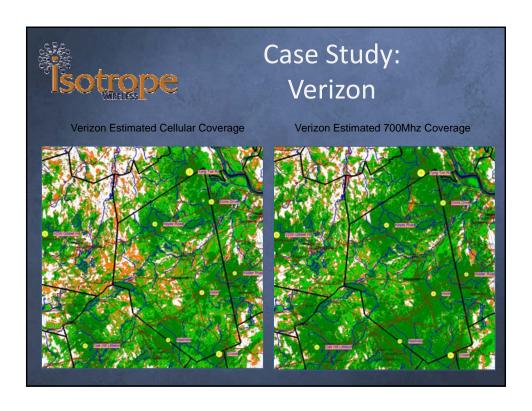




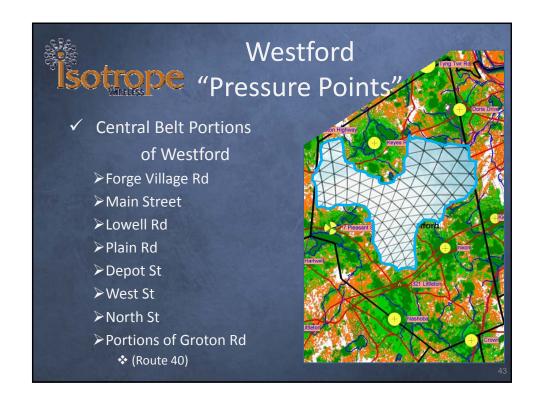


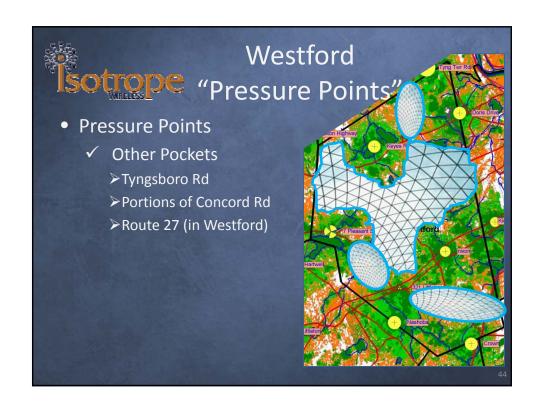














- Common Strategies
 - √ Commercial/Industrial properties
 - ►In or out of district
 - √ Very large parcels
 - ➤ Not close to residences limits:
 - ❖ Must reach farther; provides less in-building service
 - ❖Large parcels often encumbered
 - ✓ Municipal/institutional parcels
 - ✓ Integrated design



Next Steps

- Review of land and structures, including townowned land, to evaluate least invasive options for provision of wireless service
- Resident input welcome!
- Second public workshop in January 2011
- Evaluation of existing Westford WCF Bylaw and proposal for potential amendment at March 2011 Annual Town Meeting





To Stay Informed

- Sign up for email alerts
- Review town website and check for periodic updates at:
 - ✓ www.westfordma.gov/wca
- Sign up for website updates by RSS feed
- Sign up to received Planning Board and ZBA agendas by RSS feed
- Attend January workshop, and future hearings regarding proposed zoning amendment(s)